RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10 809,387

Source: IFWO

Date Processed by STIC: 6/9/05

ENTERED

IFWO

```
          RAW SEQUENCE LISTING              DATE: 06/09/2005
          PATENT APPLICATION:  US/10/809,387    TIME: 16:45:25

          Input Set : A:\SeqListing.txt
          Output Set: N:\CRF4\06092005\J809387.raw

  3 <110> APPLICANT: Zhu, Zhenping
  4        Witte, Larry
  6 <120> TITLE OF INVENTION: Antibodies Specific to KDR and Uses Thereof
  8 <130> FILE REFERENCE: 11245/46506
 10 <140> CURRENT APPLICATION NUMBER: 10/809,387
 11 <141> CURRENT FILING DATE: 2004-03-23
 13 <150> PRIOR APPLICATION NUMBER: 09/976,787
 14 <151> PRIOR FILING DATE: 2001-10-12
 16 <150> PRIOR APPLICATION NUMBER: 09/493,539
 17 <151> PRIOR FILING DATE: 2000-01-28
 19 <150> PRIOR APPLICATION NUMBER: 60/117,726
 20 <151> PRIOR FILING DATE: 1999-01-29
 22 <160> NUMBER OF SEQ ID NOS: 40
 24 <170> SOFTWARE: WordPerfect 8.0 for Windows
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 10
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Mus musculus
 32 <400> SEQUENCE: 1
 34   Gly Phe Asn Ile Lys Asp Phe Tyr Met His
 35                     5                10
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 17
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Mus musculus
 43 <400> SEQUENCE: 2
 45   Trp Ile Asp Pro Glu Asn Gly Asp Ser Gly Tyr Ala Pro Lys Phe Gln
 46                     5                10                15
 48   Gly
 49     17
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 8
 54 <212> TYPE: PRT
 55 <213> ORGANISM: Mus musculus
 57 <400> SEQUENCE: 3
 59   Tyr Tyr Gly Asp Tyr Glu Gly Tyr
 60                     5
 63 <210> SEQ ID NO: 4
 64 <211> LENGTH: 10
 65 <212> TYPE: PRT
 66 <213> ORGANISM: Mus musculus
 68 <400> SEQUENCE: 4
 70   Ser Ala Ser Ser Ser Val Ser Tyr Met His
```

```
71                     5                    10
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 7
76 <212> TYPE: PRT
77 <213> ORGANISM: Mus musculus
79 <400> SEQUENCE: 5
81    Ser Thr Ser Asn Leu Ala Ser
82                     5
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 9
87 <212> TYPE: PRT
88 <213> ORGANISM: Mus musculus
90 <400> SEQUENCE: 6
92    Gln Gln Arg Ser Ser Tyr Pro Phe Thr
93                     5
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 117
98 <212> TYPE: PRT
99 <213> ORGANISM: Mus musculus
101 <400> SEQUENCE: 7
103   Gln Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Gly Ser Gly Ala
104                     5                   10                  15
106   Ser Val Lys Leu Ser Cys Thr Thr Ser Gly Phe Asn Ile Lys Asp Phe
107                20                   25                  30
109   Tyr Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile
110                35                   40                  45
112   Gly Trp Ile Asp Pro Glu Asn Gly Asp Ser Gly Tyr Ala Pro Lys Phe
113                50                   55                  60
115   Gln Gly Lys Ala Thr Met Thr Ala Asp Ser Ser Asn Thr Ala Tyr
116      65                   70                  75                  80
118   Leu Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
119                     85                  90                  95
121   Asn Ala Tyr Tyr Gly Asp Tyr Glu Gly Tyr Trp Gly Gln Gly Thr Thr
122                100                  105                 110
124   Val Thr Val Ser Ser
125                115
128 <210> SEQ ID NO: 8
129 <211> LENGTH: 108
130 <212> TYPE: PRT
131 <213> ORGANISM: Mus musculus
133 <400> SEQUENCE: 8
135   Asp Ile Glu Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
136                     5                   10                  15
138   Glu Lys Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
139                20                   25                  30
141   His Trp Phe Gln Gln Lys Pro Gly Thr Ser Pro Lys Leu Trp Ile Tyr
142                35                   40                  45
144   Ser Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
145      50                   55                  60
```

```
147   Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg Met Glu Ala Glu
148    65                  70                  75                  80
150   Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Arg Ser Ser Tyr Pro Phe Thr
151                    85                  90                  95
153   Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys Arg Ala
154              100                 105
157 <210> SEQ ID NO: 9
158 <211> LENGTH: 30
159 <212> TYPE: DNA
160 <213> ORGANISM: Mus musculus
162 <400> SEQUENCE: 9
164   ggc ttc aac att aaa gac ttc tat atg cac                        30
165   Gly Phe Asn Ile Lys Asp Phe Tyr Met His
166    1               5                  10
169 <210> SEQ ID NO: 10
170 <211> LENGTH: 51
171 <212> TYPE: DNA
172 <213> ORGANISM: Mus musculus
174 <400> SEQUENCE: 10
176   tgg att gat cct gag aat ggt gat tct ggt tat gcc ccg aag ttc cag  48
177   Trp Ile Asp Pro Glu Asn Gly Asp Ser Gly Tyr Ala Pro Lys Phe Gln
178    1               5                  10                  15
180   ggc                                                            51
181   Gly
182    17
185 <210> SEQ ID NO: 11
186 <211> LENGTH: 24
187 <212> TYPE: DNA
188 <213> ORGANISM: Mus musculus
190 <400> SEQUENCE: 11
192   tac tat ggt gac tac gaa ggc tac                                24
193   Tyr Tyr Gly Asp Tyr Glu Gly Tyr
194                    5
197 <210> SEQ ID NO: 12
198 <211> LENGTH: 30
199 <212> TYPE: DNA
200 <213> ORGANISM: Mus musculus
202 <400> SEQUENCE: 12
204   agt gcc agc tca agt gta agt tac atg cac                        30
205   Ser Ala Ser Ser Ser Val Ser Tyr Met His
206                    5                  10
209 <210> SEQ ID NO: 13
210 <211> LENGTH: 21
211 <212> TYPE: DNA
212 <213> ORGANISM: Mus musculus
214 <400> SEQUENCE: 13
216   agc aca tcc aac ctg gct tct                                    21
217   Ser Thr Ser Asn Leu Ala Ser
218                    5
```

RAW SEQUENCE LISTING   DATE: 06/09/2005
PATENT APPLICATION: US/10/809,387   TIME: 16:45:25

Input Set : **A:\SeqListing.txt**
Output Set: **N:\CRF4\06092005\J809387.raw**

```
221 <210> SEQ ID NO: 14
222 <211> LENGTH: 27
223 <212> TYPE: DNA
224 <213> ORGANISM: Mus musculus
226 <400> SEQUENCE: 14
228   cag caa agg agt agt tac cca ttc acg                           27
229   Gln Gln Arg Ser Ser Tyr Pro Phe Thr
230                     5
233 <210> SEQ ID NO: 15
234 <211> LENGTH: 351
235 <212> TYPE: DNA
236 <213> ORGANISM: Mus musculus
238 <400> SEQUENCE: 15
240   cag gtc aag ctg cag cag tct ggg gca gag ctt gtg ggg tca ggg gcc   48
241   Gln Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Gly Ser Gly Ala
242    1               5                  10                  15
244   tca gtc aaa ttg tcc tgc aca act tct ggc ttc aac att aaa gac ttc   96
245   Ser Val Lys Leu Ser Cys Thr Thr Ser Gly Phe Asn Ile Lys Asp Phe
246                  20                  25                  30
248   tat atg cac tgg gtg aag cag agg cct gaa cag ggc ctg gag tgg att  144
249   Tyr Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile
250              35                  40                  45
252   gga tgg att gat cct gag aat ggt gat tct ggt tat gcc ccg aag ttc  192
253   Gly Trp Ile Asp Pro Glu Asn Gly Asp Ser Gly Tyr Ala Pro Lys Phe
254              50                  55                  60
256   cag ggc aag gcc acc atg act gca gac tca tcc tcc aac aca gcc tac  240
257   Gln Gly Lys Ala Thr Met Thr Ala Asp Ser Ser Ser Asn Thr Ala Tyr
258    65                  70                  75                  80
260   ctg cag ctc agc agc ctg aca tct gag gac act gcc gtc tat tac tgt  288
261   Leu Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
262                  85                  90                  95
264   aat gca tac tat ggt gac tac gaa ggc tac tgg ggc caa ggg acc acg  336
265   Asn Ala Tyr Tyr Gly Asp Tyr Glu Gly Tyr Trp Gly Gln Gly Thr Thr
266                 100                 105                 110
268   gtc acc gtc tcc tca                                            351
269   Val Thr Val Ser Ser
270                 115
273 <210> SEQ ID NO: 16
274 <211> LENGTH: 324
275 <212> TYPE: DNA
276 <213> ORGANISM: Mus musculus
278 <400> SEQUENCE: 16
280   gac atc gag ctc act cag tct cca gca atc atg tct gca tct cca ggg   48
281   Asp Ile Glu Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
282                   5                  10                  15
284   gag aag gtc acc ata acc tgc agt gcc agc tca agt gta agt tac atg   96
285   Glu Lys Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
286                  20                  25                  30
288   cac tgg ttc cag cag aag cca ggc act tct ccc aaa ctc tgg att tat  144
```

```
289    His Trp Phe Gln Gln Lys Pro Gly Thr Ser Pro Lys Leu Trp Ile Tyr
290             35              40                  45
292    agc aca tcc aac ctg gct tct gga gtc cct gct cgc ttc agt ggc agt    192
293    Ser Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
294             50              55                  60
296    gga tct ggg acc tct tac tct ctc aca atc agc cga atg gag gct gaa    240
297    Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg Met Glu Ala Glu
298     65                  70                  75                  80
300    gat gct gcc act tat tac tgc cag caa agg agt agt tac cca ttc acg    288
301    Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Arg Ser Ser Tyr Pro Phe Thr
302                 85                  90                  95
304    ttc ggc tcg ggg acc aag ctg gaa ata aaa cgg gcg                    324
305    Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys Arg Ala
306                 100             105
309 <210> SEQ ID NO: 17
310 <211> LENGTH: 15
311 <212> TYPE: PRT
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: peptide linker
317 <400> SEQUENCE: 17
319    Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
320                 5                   10                  15
323 <210> SEQ ID NO: 18
324 <211> LENGTH: 45
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: nucleic acid encoding peptide linker
331 <400> SEQUENCE: 18
333    ggt gga ggc ggt tca ggc gga ggt ggc tct ggc ggt ggc gga tcg    45
334    Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
335                 5                   10                  15
338 <210> SEQ ID NO: 19
339 <211> LENGTH: 10
340 <212> TYPE: PRT
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: peptide linker
346 <400> SEQUENCE: 19
348    Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
349                 5                   10
352 <210> SEQ ID NO: 20
353 <211> LENGTH: 15
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: nucleic acid encoding peptide linker
360 <400> SEQUENCE: 20
```

VERIFICATION SUMMARY   DATE: 06/09/2005
PATENT APPLICATION: **US/10/809,387**   TIME: 16:45:26

Input Set : **A:\SeqListing.txt**
Output Set: **N:\CRF4\06092005\J809387.raw**